

SECRET

Approved For Release 2005/06/08 : CIA-RDP78B05171A000800010001-0

NPIC/TSG/RED-36-71

18 MAR
1971

MEMORANDUM FOR: All RED Personnel

SUBJECT : PPBS Request for R&D Reports

1. PPBS has officially requested that RED provide them with copies of all final reports and interim reports resulting from our R&D contracts. We had discussed the situation with [] and asked for further definition; we now have that definition. Effective 29 March 1971, we will provide one copy of each final report and one copy of each interim report which relates to the completion of a task within a larger program. If significant quarterly or bi-yearly summary reports result from a contract, these are to be interpreted as interim reports.

25X1

2. The required reports are to be submitted under the following guidelines:

a. Each project officer is responsible for seeing that the reports resulting from his programs, projects, and/or tasks are forwarded on a timely basis to the Division secretary for subsequent transmittal to PPBS.

b. [] is to maintain a log of the items forwarded, along with the date of forwarding and the name of the individual from whom the report was obtained.

c. These copies are to be provided to PPBS for their retention or destruction; we do not want these documents returned. Project officers are responsible for making sure that adequate copies are available from the contractor to permit this system to function smoothly. In those rare cases where the copies are limited and the return of a document is required, a note to that effect should be attached at the time of forwarding.

25X1



25X1

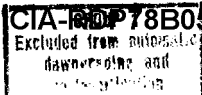
Chief, Research & Engineering Division, TSG/NPIC

Distribution:

All RED Personnel

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TITLE: Retrofit Film Transport System		610124H	25X1	MO	YR
CONTRACTOR:				5	70
CONTRACT NO:					
CONTRACT TYPE: FP					
PROGRAM VALUE:					
DESCRIPTION: The retrofit film system is a motorized film drive kit which can be fitted onto a [] MIM #4 (940 Split-Format) Light Table. The drive will out perform the [] drive system at a competitive price and the kit will be available with instructions for mounting it in-house.					

ESSENTIAL ELEMENT OF INFORMATION	YES	NO
I. MEETING PERFORMANCE REQUIREMENTS	✓	
II. ON SCHEDULE		✓
III. WITHIN CONTRACTUAL COSTS	✓	
A. OVERRUN \$ 0		
B. SCOPE CHANGES \$ 0		
AGENCY ASSOCIATION: CONFIDENTIAL		
TITLE : UNCLASSIFIED		
WORK : UNCLASSIFIED		

YEAR	1969	1970												
MONTH	N	D	J	F	M	A								
EXPENDED AND COMMITTED FUNDS IN K \$														
Fixed Price														
N/A														

KEY PERSONNEL	MILESTONES
PROGRAM MANAGER	System Design
	System Fabrication
	System Testing
ASST. PROGRAM MANAGER	System Delivery
PROJECT OFFICER	
CONTRACT START	10/69
CONTRACT COMPLETE	2/70
LAST REVIEW	4/70
NEXT REVIEW	5/70

Legend: — Projected, — Actual, ▲ Milestone

Put Program Highlights on Reverse Side

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The GFE items were received by the contractor on 10 November 1969.

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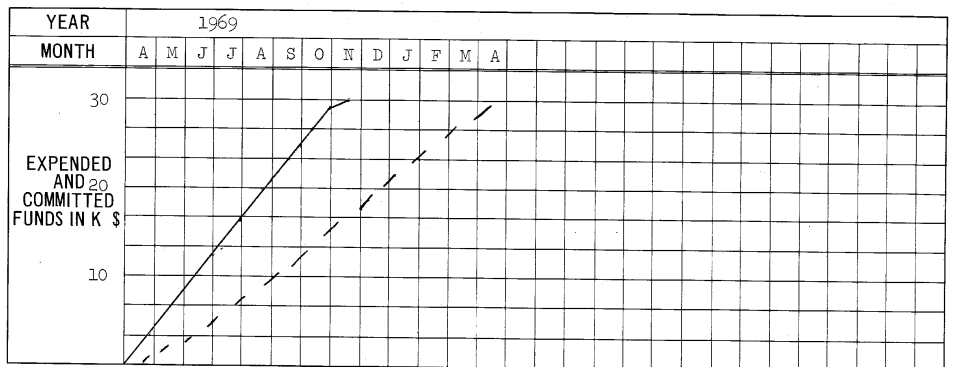
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(when filled in)

Approved For Release 2005/06/08 : CIA-RDP78B05171A000800010001-0

TITLE: Photographic & Line-Scan Imagery Experimentation 50018		MO	YR
CONTRACTOR: [REDACTED]			70
CONTRACT NO: [REDACTED]		DESCRIPTION: An empirical investigation of the relation between the resolution requirements of photographic and line-scan imagery for NPIC interpretation.	
CONTRACT TYPE: CPFF			
PROGRAM VALUE: [REDACTED]			

FY-69

ESSENTIAL ELEMENT OF INFORMATION	YES	NO
I. MEETING PERFORMANCE REQUIREMENTS	✓	
II. ON SCHEDULE		✓
III. WITHIN CONTRACTUAL COSTS	✓	
A. OVERRUN \$ 0		
B. SCOPE CHANGES \$ 0		
AGENCY ASSOCIATION: SECRET		
TITLE : UNCLASSIFIED		
WORK : SECRET		



KEY PERSONNEL	MILESTONES
PROGRAM MANAGER	Interim Report
ASST. PROGRAM MANAGER	Final Technical Report
PROJECT OFFICER	
CONTRACT START 4/69	
CONTRACT COMPLETE 4/70	
LAST REVIEW 3/70	
NEXT REVIEW (COMPLETE)	

Legend: --- Projected, — Actual, Δ Milestone

Put Program Highlights on Reverse Side

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IPFM 571 (7-69)

Ⓐ Deliverable Items, ▲ Completed

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2-7-15.4

LIST PROGRAM HIGHLIGHTS BELOW
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(when filled in)

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R&D PROJECT STATUS REPORT

Completed

TITLE: Research Effort in Support of the High Precision Stereo Comparator	50012	MO	YR
CONTRACTOR:		5	70
CONTRACT NO:			
CONTRACT TYPE: Time and Materials			
PROGRAM VALUE:			
DESCRIPTION:			
Conduct research in the area of mensuration errors and techniques and design and fabricate a breadboard to evaluate performance of high performance systems.			

ESSENTIAL ELEMENT OF INFORMATION	YES	NO
I. MEETING PERFORMANCE REQUIREMENTS	✓	
II. ON SCHEDULE	✓	
III. WITHIN CONTRACTUAL COSTS	✓	
A. OVERRUN \$ 0		
B. SCOPE CHANGES \$ 0		
AGENCY ASSOCIATION: Confidential		
TITLE : Unclassified		
WORK : Unclassified		

YEAR	1969							1970											
MONTH	A	S	O	N	D	J	F												
EXPENDED AND COMMITTED FUNDS IN K \$																			
5K																			

KEY PERSONNEL	MILESTONES	
PROGRAM MANAGER	Fabricate Breadboard	
ASST. PROGRAM MANAGER	Reports	▲▲▲▲▲▲▲▲
PROJECT OFFICER		
CONTRACT START	8/69	
CONTRACT COMPLETE	6/70	
LAST REVIEW	3/70	
NEXT REVIEW	1/70	

Legend: — Projected, — Actual, ▲ Completed

Rough assembly of breadboard has been made and is now being tested and modified.

Summary report about testing completed.

Final report has been received. Contract will be closed out at next logistic report.

Project completed.

(when filled in)

25X1

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TITLE: Digitized Fiber-Optics Viewer Alignment and Evaluation 50037

MO YR
70

CONTRACTOR: [REDACTED]

DESCRIPTION: Perform a study on the [REDACTED] Fiber Optics Viewer Model 552-A-104 to determine the feasibility of providing the subject viewer with the measuring accuracy of 2.5 micrometers plus 0.005% of the distance traveled by the stages.

CONTRACT NO: [REDACTED]

CONTRACT TYPE: FP

PROGRAM VALUE: [REDACTED]

ESSENTIAL ELEMENT OF INFORMATION	YES	NO
I. MEETING PERFORMANCE REQUIREMENTS		
II. ON SCHEDULE		
III. WITHIN CONTRACTUAL COSTS		
A. OVERRUN \$ 0		
B. SCOPE CHANGES \$ 0		
AGENCY ASSOCIATION: Confidential		
TITLE : Unclassified		
WORK : Unclassified		

YEAR	1969											
MONTH	0	0	0	N	N	N						
Weeks	1	2	3	4	5	6						
EXPENDED AND COMMITTED FUNDS IN K \$												
Fixed Price												
N/A												

KEY PERSONNEL	MILESTONES
[REDACTED] PROGRAM MANAGER	Delivery of Report
ASST. PROGRAM MANAGER	
[REDACTED] PROJECT OFFICER	
CONTRACT START 10/69	
CONTRACT COMPLETE 11/69	
LAST REVIEW 12/69	
NEXT REVIEW 1/8/70	

Legend: — Projected, — Actual, ▲ Milestone

Put Program Highlights on Reverse Side

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(when filled in)

LIST PROGRAM HIGHLIGHTS BELOW
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25X1 [] produced the required report and IEG has reviewed the proposals submitted by [] IEG reports no further interest in modifying the Fiber Optics Viewer. The project is to be closed out.

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(when filled in)

Approved For Release 2009/06/08 : CIA-RDP78-05171A000800010001-0

TITLE: Binocular Tube Magnifier 02368

CONTRACTOR:

CONTRACT NO:

CONTRACT TYPE: FP

PROGRAM VALUE:

DESCRIPTION:

Design and fabricate a prototype binocular tube magnifier.

ESSENTIAL ELEMENT OF INFORMATION		YES	NO
I. MEETING PERFORMANCE REQUIREMENTS			X
II. ON SCHEDULE			X
III. WITHIN CONTRACTUAL COSTS			
A. OVERRUN	\$ 0		
B. SCOPE CHANGES	\$ 0		
AGENCY ASSOCIATION: Confidential			
TITLE		: Unclassified	
WORK		: Unclassified	

[illegible]

KEY PERSONNEL		MILESTONES	
[Redacted]		Complete fabrication & delivery of prototype ▽	
[Redacted]			
PROGRAM MANAGER			
[Redacted]			
ASST. PROGRAM MANAGER			
[Redacted]			
PROJECT OFFICER			
CONTRACT START	5/68		
CONTRACT COMPLETE	11/69		
LAST REVIEW	3/6/70		
NEXT REVIEW	N/A/E		

Legend: — Projected, — Actual, Δ Milestone, □ Approved

Put Program Highlights on Reverse Side

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LIST PROGRAM HIGHLIGHTS BELOW
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Original period of performance of this contract was 15 May 1968 to 24 July 1968. Prototype received 4 October, tested 8-16 October 1968, found unacceptable, and returned to contractor 23 December 1968. Tested at NPIC during March/April 1969, again found unacceptable, and returned to contractor.

Inspection trip on 18 July 1969 revealed that problem still was not corrected. During telephone conversation of 20 October 1969, contractor stated that instrument had been corrected as much as possible without major mechanical redesign. Instrument to be forwarded to NPIC for operational evaluation to determine if there is any further interest in the device.

Instrument was received at NPIC on 10/31/69 and is being evaluated by TEB.

TEB and IEG evaluation has been completed. A poll of the community indicated no interest in this instrument as a production instrument. The project is to be closed out.

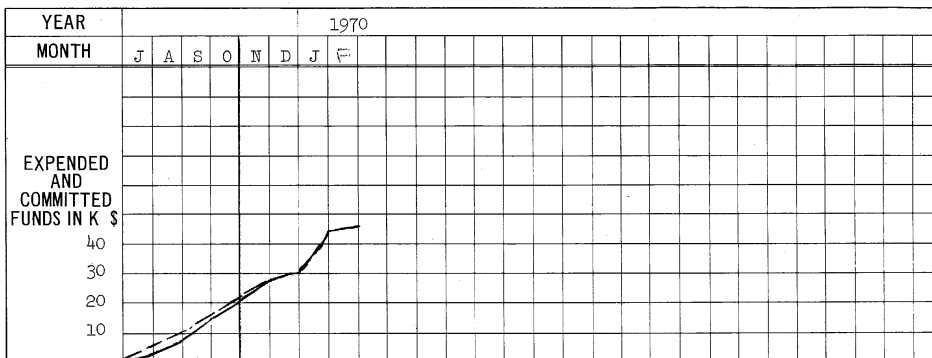
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(when filled in)

Approved For Release 2006/06/08 : CIA-RDP78B05171A000800010001-0

TITLE: Advanced Automated Graphics 50016		MO	YR
CONTRACTOR: [REDACTED]		3	70
CONTRACT NO: [REDACTED]		DESCRIPTION: To determine the feasibility of further development of a graphics terminal by demonstrating several tasks of manipulating text and three-dimensional graphics.	
CONTRACT TYPE: FFP		25X1	
PROGRAM VALUE: [REDACTED]		25X1	

ESSENTIAL ELEMENT OF INFORMATION	YES	NO
I. MEETING PERFORMANCE REQUIREMENTS	X	
II. ON SCHEDULE	X	
III. WITHIN CONTRACTUAL COSTS	X	
A. OVERRUN \$ 0		
B. SCOPE CHANGES \$ 1.5		
AGENCY ASSOCIATION: Confidential		
TITLE : Unclassified		
WORK : Unclassified		



KEY PERSONNEL	MILESTONES
PROGRAM MANAGER	Create 3-D Images
	Display Text
	Edit Text
ASST. PROGRAM MANAGER	Shadow Analysis
	Text and Graphics
PROJECT OFFICER	Study - Final Report
CONTRACT START 7/69	Demonstrations
CONTRACT COMPLETE 1/70	Monthly Reports
LAST REVIEW 25 FEB 70	
NEXT REVIEW 28 FEB 70	

Legend: — Projected, — Actual, ▲ Milestone

Put Program Highlights on Reverse Side

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(when filled in)

LIST PROGRAM HIGHLIGHTS BELOW
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SECRET
(when filled in)

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MO	YR
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TITLE: Ground Truth Data Base

(610062 AA)

MO	YR
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370

CONTRACTOR:

DESCRIPTION: Perform field survey work to establish the length and size of objects and to identify and delineate these objects on operational imagery.

CONTRACT NO:

CONTRACT TYPE: CPFF

PROGRAM VALUE

ESSENTIAL ELEMENT OF INFORMATION		YES	NO
I. MEETING PERFORMANCE REQUIREMENTS		X	
II. ON SCHEDULE		X	
III. WITHIN CONTRACTUAL COSTS		X	
A. OVERRUN		\$	0
B. SCOPE CHANGES		\$	0
AGENCY ASSOCIATION:			
TITLE		:	
WORK		:	

[illegible]

KEY PERSONNEL		MILESTONES	
PROGRAM MANAGER			
ASST. PROGRAM MANAGER			
PROJECT OFFICER			
CONTRACT START	Aug 69		
CONTRACT COMPLETE	Jan 70		
LAST REVIEW	29 Jan 70		
NEXT REVIEW			

Legend: --- Projected, — Actual, Δ Milestone

IPFM 571 (7-69)

Ⓐ Deliverable Items, ▲ Completed

SECRET
(when filled in)

LIST PROGRAM HIGHLIGHTS BELOW
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(when filled in)

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MO YR

3 70

TITLE: [REDACTED]

CONTRACTOR: [REDACTED]

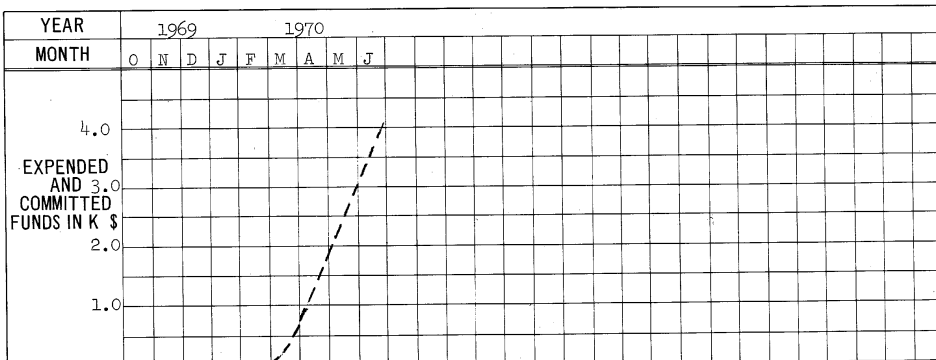
CONTRACT NO:

CONTRACT TYPE: Personal Services

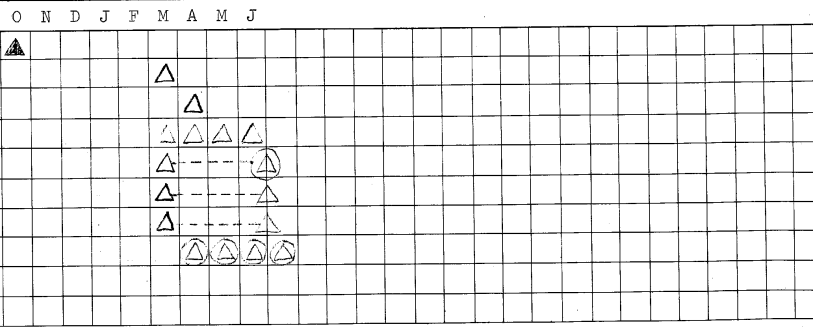
PROGRAM VALUE: [REDACTED]

DESCRIPTION: [REDACTED] would provide software programs for the IDT Computer Display System and technical assistance on the hardware. [REDACTED] would also consult in certain problem areas of physical optics.

ESSENTIAL ELEMENT OF INFORMATION	YES	NO
I. MEETING PERFORMANCE REQUIREMENTS		
II. ON SCHEDULE		X
III. WITHIN CONTRACTUAL COSTS	X	
A. OVERRUN \$ 0		
B. SCOPE CHANGES \$ 0		
AGENCY ASSOCIATION: SECRET		
TITLE : UNCLASSIFIED		
WORK : UNCLASSIFIED		



KEY PERSONNEL	MILESTONES
[REDACTED]	Staff Study
PROGRAM MANAGER	Contract Approval
None	Trip to Tech/Ops with CIA personnel
ASST. PROGRAM MANAGER	Trips to NPIC
[REDACTED]	Software Development
PROJECT OFFICER	Computer Time [REDACTED]
CONTRACT START * 12/1/69	Hardware Guidance
CONTRACT COMPLETE 6/30/70	Monthly Reports
LAST REVIEW 3/2/70	
NEXT REVIEW 4/70	

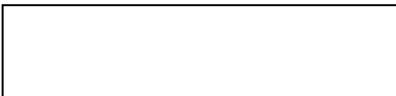


* See Program Highlights. Legend: --- Projected, Approved For Release 2005/06/08 : CIA-RDP78B05171A000800010001-0

LIST PROGRAM HIGHLIGHTS BELOW

1. A staff study requesting [redacted] services was prepared in October, 1969. The expenditures and milestones are based on approval of this contract by 1 December 1969.

2. The breakdown of this proposed contract is as follows:



3. Staff study was rewritten on 18 November 1969

25X1

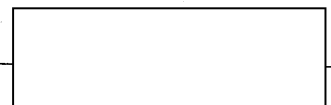
Feb. 70

A contract for [redacted] services has not yet been approved. The tieup is due to the fact that [redacted] is employed by an educational institution and has to obtain the approval of the university president before any contract will be approved.

March 70

No changes since last reporting date.

25X1



(when filled in)

Approved For Release 2005/06/08 : CIA-RDP78B05171A000800010001-0

TITLE: Image Analysis Support

CONTRACTOR:

CONTRACT NO:

CONTRACT TYPE: CPTF

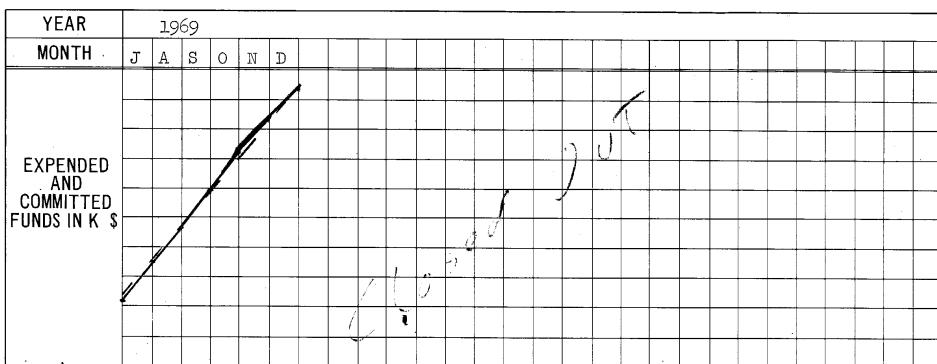
PROGRAM VALUE:

DESCRIPTION: To provide support in the establishment of an in-house optical image processing facility and the evaluation of unconventional materials for duping purposes.

25X1

MO YR
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ESSENTIAL ELEMENT OF INFORMATION		YES	NO
I. MEETING PERFORMANCE REQUIREMENTS		X	
II. ON SCHEDULE		X	
III. WITHIN CONTRACTUAL COSTS		X	
A. OVERRUN	\$ 0		
B. SCOPE CHANGES	\$ 0		
AGENCY ASSOCIATION: SECRET			
TITLE	: UNCLASSIFIED		
WORK	: CONFIDENTIAL		



KEY PERSONNEL		MILESTONES	
PROGRAM MANAGER		Consultation on Optical Processing	▲
		Consultation on Unconventional Materials	▲
ASST. PROGRAM MANAGER		Monthly Reports	▲ ▲ ▲ ▲ ▲
		Final Reports	▲
PROJECT OFFICER			
CONTRACT START	4/69		
CONTRACT COMPLETE	12/69		
LAST REVIEW	12/12/69		
NEXT REVIEW			

Legend: — Projected, — Actual, ▲ Milestone

Put Program Highlights on Reverse Side

2025/06/08: CIA-RDP78B05171A000800010001-0

Legend: — Projected — Actual ▲ Milestone

Put Program Highlights on Reverse Side

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(when filled in)

LIST PROGRAM HIGHLIGHTS BELOW
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Nov 69

The principal output of this program has been assistance in defining the technique to be initially used for the Analog Image Processing Program and the laying out of a scheduled program.

Dec 69

The final report has been received. This report closes out the program. The conduct of the contractor under the program was satisfactory and all deliverable items have been delivered. A follow-on proposal is under consideration.

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R&D PROJECT STATUS REPORT

TITLE: High Speed Dry Processors 50006		MO	YR
CONTRACTOR: [REDACTED]		Jan	76
CONTRACT NO: [REDACTED]		DESCRIPTION: Design and Fabricate three (3) experimental high speed processors to process dry silver film, dry silver paper and dry diazo photo reproduction materials.	
CONTRACT TYPE: Fixed Price			
PROGRAM VALUE: [REDACTED]			

ESSENTIAL ELEMENT OF INFORMATION	YES	NO
I. MEETING PERFORMANCE REQUIREMENTS	✓	
II. ON SCHEDULE	✓	
III. WITHIN CONTRACTUAL COSTS	✓	
A. OVERRUN \$ 0		
B. SCOPE CHANGES \$ 0		
AGENCY ASSOCIATION: CONFIDENTIAL		
TITLE : UNCLASSIFIED		
WORK : UNCLASSIFIED		

YEAR	1969											
MONTH	J	F	M	A	M	J	J	A	S	O	N	D
EXPENDED AND COMMITTED FUNDS IN K \$												

Fixed Price - N/A

COMPLETED !!!

KEY PERSONNEL	MILESTONES
PROGRAM MANAGER	Design
ASST. PROGRAM MANAGER	Assembly
PROJECT OFFICER	Tests
	Delivery (to Westover AFB)
	Operators Manuals (2 each)
CONTRACT START 6/67	
CONTRACT COMPLETE 12/69	
LAST REVIEW 11/69	
NEXT REVIEW 7/70	

Legend: — Projected, — Actual, — Milestones, — Deliverable Items, ▲ Completed

SECRET

(when filled in)

NPIC and Westover, SPPF, personnel performed final acceptance tests on the processors on 15-17 October 1969 at the Contractor's facilities. Two processors are scheduled to be shipped to Westover in November 1969. The third processor is scheduled to remain at the Contractors as GFE in support of Dry Silver Materials development.

The two processors at Westover AFB are awaiting a shipment of Dry Silver film for further testing.

Processors delivered and accepted.